

FUEL CELL DEVICE TO BE MOUNTED ON APPARATUS

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Abstract of JP9213359

PROBLEM TO BE SOLVED: To establish a power supply system incorporating an ultra-small fuel cell by accommodating all systems required to make power generation in one package. **SOLUTION:** A battery device case 3 accommodates the body 4 of a fuel cell, a hydrogen container 5, the two 4 and 5 being coupled together, a hydrogen supplying means 6a to lead the hydrogen from the container 5 to the battery body 4, and a control part 9 which controls the flow of the hydrogen out of the container 5 and controls the operation of the fuel cell in the body 4. The arrangement further includes a blowing means 7 consisting of a fan, etc., to supply the body 4 with the air, which is to supply oxygen necessary for power generation, and a water retaining means 8 to collect the water produced by the body 4 and store. The case 3 is fitted with an air suction hole 11 and exhaust hole 12 for the blowing means 7 and a lid 13 for setting in and taking out the container 5 to/from the case 3. Thus the resultant battery device can perform a long-time operation, compared with a conventional, and sustains repetitive service.

